

John D. Wyrick, M.D.

**Associate Professor, Department of Orthopaedic Surgery
Director, Division of Upper Extremity Surgery
Associate Director of Orthopaedic Trauma**

Department of Orthopaedic Surgery • University of Cincinnati • College of Medicine

Education

- College:** Ohio State University
Columbus, Ohio, 1976-1980
Degree: BS in Microbiology
Honors: Sigma Delta Psi Athletic Honorary
- Medical School:** Wright State University
Dayton, Ohio, 1980-1984
Rank: Seventh out of 100 students
Activities: President Phi Rho Sigma, Intramural Chairman
Honors: Alpha Omega Alpha Honor Society
- Internship:** July 1984 - June 1985, General Surgery
University of Cincinnati Medical Center, Cincinnati, Ohio
- Research Fellowship:** July 1985 - June 1986, University of Cincinnati, Department of Orthopaedic Surgery/Shriners Burn Unit, Cincinnati, Ohio
- Residency:** July 1986 - June 1991, Orthopaedic Surgery at Wright State University Affiliated Program, Miami Valley Hospital, Dayton, Ohio
Honors: 1989 & 1990 Recipient of the Annual Hobart E. Klaaren Basic Science Award; 1991 Wright State University Academy of Medicine Resident of the Year Award; 1991 Miami Valley Hospital Resident Paper Award
- Fellowship:** August 1, 1991 - July 31 1992, Mary S. Stern Hand Surgery Fellowship The University of Cincinnati and Bethesda Hospitals; under the leadership of Peter J. Stern, MD.

January 4, 1999 – February 26, 1999, Martin Allgöwer AO Traveling Trauma Fellowship, Hannover, Germany and Bern, Switzerland
- Board Certification:** American Board of Orthopaedic Surgery
American Board of Orthopaedic Surgery, Recertification
Certificate of Added Qualifications in Surgery of the Hand, Chicago, Illinois

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Academic 1992 to Present
Appointments: Director, Division of Upper Extremity Surgery
Associate Director of Orthopaedic Trauma
University of Cincinnati Medical Center
Certified Instructor, Advanced Trauma Life Support

Associate Professor- effective 9/1/2006
Department of Orthopaedic Surgery
University of Cincinnati Medical Center

Honors: 1989-1990 Recipient of the Annual Hobart E. Klaaren Basic Science Award
1991 Wright State University Academy of Medicine Resident of the Year
1991 Miami Valley Hospital Resident Paper Award
1992-93 and 1996-1997 Resident Appreciation Award, University of Cincinnati
2000-2001 Resident Appreciation Award, University of Cincinnati

Current Research

- **Functional Outcomes in Fractures of the Acetabulum**
Principle Investigator: MT Archdeacon, MD
Co-Investigators: JD Wyrick, MD, & MB Ludwig, BSN
- **Prospective Evaluation of Abductor Function in Fractures of the Femur Treated with Antegrade Intramedullary Nailing**
Principle Investigator: MT Archdeacon
Co-Investigators: T Hewett, Ph.D, JD Wyrick, TT Le, MD, & MB Ludwig, BSN
- **Segmental Fractures of the Lower Extremity**
Principle Investigator: MT Archdeacon, MD
Co-Investigators: R Gokhale, MD, JD Wyrick, MD, & MB Ludwig, BSN
- **Immediate Versus Delayed Closure of Open Tibia Fractures: A Protocol for a Randomized Prospective Multicenter Study**
Principle Investigator: MT Archdeacon, MD
Co-Investigators: John D. Wyrick, MD and Mary Beth Ludwig, BSN
- **Percutaneous Push Screw for Reduction of Severe Open Intraarticular Calcaneus**
Principle Investigator: MT Archdeacon, MD
Co-Investigators: John D. Wyrick, MD, Steve Agabegi, MD, and Mary Beth Ludwig, BSN
- **Prospective Functional Performance Evaluation of Quadriceps Function After Femur Fracture Treated with Intramedullary Nailing**
Principle Investigator: MT Archdeacon, MD
Co-Investigators: JD Wyrick, MD, T Hewett, PhD, MB Ludwig, BSN, M Paterno, PT, S Hampton
- **Prospective Evaluation of High-Energy Tibial Pilon Fractures**
Principle Investigator: MT Archdeacon, MD
Co-Investigators: JD Wyrick, MD, C Safian, MD, MB Ludwig, BSN, S Hampton

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- **Osteogenic Protein-1 (Bone Morphogenetic Protein-7) in the Treatment of Tibial Nonunions**
Principle Investigator: JD Wyrick, MD
Co-Investigators: MT Archdeacon, MD, TT Le, MD, PJ Stern, MD

Publications

Wyrick, JD; Stern, PJ; Bruno, LP, and Alexander, JW: The Inhibition of Skeletal Changes in a Rat Burn Model with a Local Muscle Flap. *Plas. Recons. Surg.*, February, 1988, 81:246-250.

Bruno, LP; Stern, PJ; and Wyrick, JD: Skeletal Changes after Burn Injuries in an Animal Model. *Burn Care and Rehab.*, Mar/Apr 1988, 9:148-151.

Wyrick, JD; and Stern, PJ: Secondary Nerve Reconstruction. *Hand Clinics*, 8:587-598, 1992.

Cantor, RM; Stern, PJ; Wyrick, JD; and Michaels, SE: The Relevance of Ligament Tears of Perforations in the Diagnosis of Wrist Pain: An Arthrographic Study. *J. Hand Surgery*, 19A: 945-953, 1994.

Lin, HH; Wyrick, JD; and Stern, PJ: Proximal Interphalangeal Joint Silicone Replacement Arthroplasty: Clinical Results Using an Anterior Approach. *The Journal of Hand Surgery*, Vol 20A #1, January 1995.

Wyrick, JD; Stern, PJ; and Kiefhaber, TR: Motion Preserving Procedures in the Treatment of SLAC Wrist: Proximal Row Carpectomy Versus Four-Corner Fusion. *The Journal of Hand Surgery*, Vol 20A 6:965-970, November 1995.

Wyrick, JD: Wrist Reconstruction: Intercarpal Arthrodesis and Proximal Row Carpectomy. *Seminars in Arthroplasty*, April 1997.

Stern, PJ; Wyrick, JD; Reilly, KE; Linz, J; Giza, E: Osteomyelitis of the Tubular Bones of the Hand. *The Journal of Hand Surgery*, Volume 22A: 644-649, July 1997.

Wyrick, JD: Scaphoid Excision and Four-Corner Fusion. *Atlas of the Hand Clinics*, Vol 3, 1: 145-160, March 1998.

Wyrick, JD; Youse, BD, Kiefhaber, TR: Scapholunate Ligament Repair and Capsulodesis for the Treatment of Static Scapholunate Dissociation. *The Journal of Hand Surgery*, Volume 23B:6:776-780, December 1998.

Wyrick, JD; Ostempowski, M: Comparison of Radioscapholunate Arthrodesis to Radiolunate Arthrodesis with Scaphoid Excision in a Cadaver Model. Submitted to AAOS for presentation at 66th Annual Meeting, February 4-8, 1999, Anaheim, CA.

Wyrick, JD: Proximal Row Carpectomy or Intercarpal Arthrodesis for the management of Wrist Arthritis. *Journal Am Acad Orthop Surg*. Jul-Aug 2003 11:277-81.

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Publications, con'd

Wyrick, JD, Archdeacon MT "Reduction Plating For Provisional Fracture Fixation" *J. Orthop Trauma* March 2006;20(3):206-211.

Presentations

"The Inhibition of Skeletal Changes in a Rat Burn Model with a Local Muscle Flap," May, 1986, Ohio Valley Society of Plastic and Reconstructive Surgery Annual Meeting, Cincinnati, Ohio.

"Mouradian Nail Fixation of Proximal Humerus Fractures," May 1988, Second Annual Veteran's Administration Multidisciplinary Research in Health Care Fields Dayton, Ohio.

"The Effect of Bupivacaine on Wound Healing in the Rabbit Model," December 1988, Annual Meeting of the American College of Surgeons, Chicago, Illinois.

Orthopaedic Research Society, 34th Annual Meeting, Session 45, "Pharmacological Inhibition of Prostaglandin E2 in Bone and its Effect on Pathological New Bone Formation in a Rat Burn Model," Ho, SSW; Stern, PJ; Bruno, L; Wyrick, JD; Waymack, JP; and Alexander, JW, February 4, 1988, Atlanta, Georgia.

Treatment of Displaced Supracondylar Fractures of the Humerus in Children March 1991, 58th Annual Meeting of the American Academy of Orthopaedic Surgeons Anaheim, California.

Cantor, RM; Stern, PJ; and Wyrick, JD: Selective Bilateral Wrist Arthrography. The American Society for Surgery of the Hand, 47th Annual Meeting November 11 - 14, 1992.

Wyrick, JD; Stern, PJ; and Kiefhaber, TR: Motion Preserving Procedures in the Treatment of SLAC Wrist: PRC vs. Four-corner Fusion. The American Society for Surgery of the Hand, 48th Annual Meeting, October 1, 1993.

Basic Arthroscopy; May 4th & 5th Davao City, Philippines, 1994.

Philippine Orthopaedic Association, Sixth Annual Mid-Year Meeting. "The Wrist: An Update; Rheumatoid Arthritis; Tendon Transfers in the Upper Extremity," May 6 & 7, 1994. Davao City, Philippines.

AO/ASIF Orthopaedic Trauma Team Approach; participated as faculty, Cincinnati, Ohio, August 26-27, 1994.

"Proximal Interphalangeal Joint Silicone Arthroplasty: The Palmar Approach," ASSH, October 29, 1994.

"Osteomyelitis in the Hand," ASSH, October 29, 1994.

"The Slac Wrist," presented to University of Cincinnati, Department of Orthopaedic Surgery, Grand Rounds Conference, December 3, 1994.

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Presentations, cont'd

"Upper Extremity Fractures," NAON Trauma Conference, Dayton, Ohio, March 25, 1995.

"Lower Extremity Fracture Management," Department of Plastic Surgery, University of Cincinnati, May 17, 1995.

"Complications of Bicondylar Intraarticular Distal Humerus Fractures." Poster presentation at the Orthopaedic Trauma Association Annual Meeting in Tampa, Florida, September 28 - October 1, 1995.

"Combined Plate and Fibular Intramedullary Fixation of Humeral Nonunions." Poster presentation at the Orthopaedic Trauma Association Annual Meeting in Tampa, Florida, September 28 - October 1, 1995.

"Hand and Upper Extremity Presentations" Occupational Medicine Training Course, University of Cincinnati, October 18, 1995.

"Open Fractures of the Lower Extremity." AO Nursing Course, Bethesda Hospital, Cincinnati, Ohio, February 21, 1996.

"Treatment of the Infected Pilon Fracture Following Open Reduction and Internal Fixation." Musculoskeletal Infection Society Annual Open Scientific Meeting in Snowmass, Colorado, August 1, 1996.

"Musculoskeletal Infections in Transplant Patients." Musculoskeletal Infection Society Annual Open Scientific Meeting in Snowmass, Colorado, August 1, 1996.

"Treatment of the Infected Pilon Fracture Following Open Reduction and Internal Fixation," Wyrick, JD, Dungca GV, Lim, EVA. Presented at the PSEF/ASRM Limb Salvage & Reconstruction: A Multi-Disciplinary Approach in Seattle Washington, May 9, 1996.

"Treatment of the Infected Pilon Fracture Following Open Reduction and Internal Fixation." Poster presentation at the annual OTA meeting in Boston, MA, September 27-29, 1996.

"Indications for Plate Fixation of Olecranon Fractures." Poster presentation at the OTA Annual Meeting in Boston, Massachusetts, September 27-29, 1996.

Orthopaedic presentation given at the Occupational Medicine Training Course, University Hospital, Cincinnati, Ohio, October 23, 1996.

"Hip Fractures" presentation given to Orthopaedic Nurses at Miami Valley Hospital in Dayton, Ohio, October 26, 1996.

"Wrist Biomechanics & Instability Patterns" Didactic's Conference, Hand Surgery Specialists, Cincinnati, Ohio, March 7, 1997.

"Elbow Contractures," Grand Rounds presentation at Miami Valley Hospital, Dayton, Ohio, May 17, 1997.

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Presentations, cont'd

"Orthopaedic Trauma," EMS Lecture Series, Jewish Hospital, August 19, 1997.

"Wrist Biomechanics," Grand Rounds presentation at Shriners Hospital, Department of Plastic Surgery, Cincinnati, Ohio, September 3, 1997.

"Hand and Upper Extremity Presentations." Occupational Medicine Training Course, University of Cincinnati, October 22, 1997.

"Bony Injuries to the Hand & Wrist." Sports Medicine presentation at University Hospital, Cincinnati, Ohio, December 9, 1997.

"Fractures of the Hand" Hand Surgery Specialists, Didactic Conference, Cincinnati, Ohio, March 6, 1998.

"Orthopaedic Trauma Lecture," presented to EMS Technicians at Jewish Hospital Kenwood, April 21, 1998.

"Elbow Lecture", presented to the Anatomy Conference at Hand Surgery Specialist, 2800 Winslow Avenue, Cincinnati, Ohio, July 11, 1998.

"Exam of the Hand, Wrist, and Elbow", Introduction to Orthopaedics Lecture, presented at the University of Cincinnati, August 19, 1998.

"Lower Extremity Orthopaedic Trauma", presented at Plastic Surgery Grand Rounds, University of Cincinnati, September 23, 1998.

"The Tattered Elbow", Grand Rounds Presentation at the University of Cincinnati, September 26, 1998.

"Hand and Upper Extremity", presented at The Occupational Medicine Training Course, University of Cincinnati, October 21, 1998.

"Common Hand and Wrist Problems", Ortho Learning Center, Chicago, Illinois, October 30 – November 1, 1998.

"Orthopaedic Trauma", University Hospital for the Department of Surgery, Cincinnati, Ohio, November 7, 1998.

"The Tattered Elbow", Unfallchirurgische Klinik, Medizinische Hochschule Hannover Trauma Clinic, Hannover, Germany, January 22, 1999.

"The Slac Wrist", Universitätsspital Bern, Hospital Universitaire de Berne, February 20, 1999.

"The Tattered Elbow", Didactic Lecture presented at Hand Surgery Specialist, May 28, 1999.

"Orthopaedic Injuries in the Trauma Patient", presented at University Hospital Staff Development, Trauma Nurses, June 1, 1999.

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Presentations, cont'd

“A Prospective, Randomized Comparison of Coralline Hydroxyapatite and Autogenous Bone Graft in the Treatment of Distal Radius Fractures”, presented at the AASH 54th Annual Meeting, Boston, September 2-4, 1999.

“Hand & Upper Extremity”, presented at the University Occupational Medicine Training Course, October 27, 1999.

“Soft Tissue Injuries of the Hand”, presented at the University of Cincinnati, Sports Medicine Conference. February 22, 2000.

“Wrist Biomechanics”, presented at the Hand Surgery Specialist Didactic Lectures, March 17, 2000.

“Ortho Trauma”, University Hospital’s Regional Trauma Center, the Fairfield Fire Department, and Independent Specialized Paramedics held at the Ohio Casualty Corporate Offices in Fairfield, Ohio, Saturday, April 15, 2000.

“The Tattered Elbow”, presented at the Hand Surgery Specialist, 2800 Winslow Avenue, Cincinnati, Ohio, June 23, 2000.

“Trauma of the Hand”, presented at the College of Mount St. Joseph’s Clinical Medicine Class, in Delhi Township on Thursday, December 7, 2000.

EMS Symposium (University Hospital’s Regional Trauma Center, the Fairfield Fire Department and Independent Specialized Paramedics, held at the Ohio Casualty Corporate Office in Fairfield, Ohio, April 15, 2000.

Didactic lecture at the Hand Surgery Center. “Fractures in the Hand Intra and Extra-articular Fractures of the Metacarpal and Phalanges, Excluding Fractures Involving the PIP Joint.” April 20, 2001.

“LISS Fixation Plate” presentation at the Miami Valley Hospital, April 26, 2001.

Hand Surgery Update, “Obstetrical Brachial Plexus Injuries” and “Tetraplegia Upper Extremity Management”, presented at Bethesda Hospital on October 13, 2001.

Plastic Surgery Grand Rounds presentation on “Wrist Biomechanics”. Presented at the Shriner’s Hospital on November 7, 2001.

Presentation for the Caducea Pre-Med Society on “Fracture Description.” November 9, 2001.

“Hand and Upper Extremity”, presented at the Occupational Medicine Training Program in the Health Professions Building at the University of Cincinnati, December 12, 2001.

Grand Rounds Presentation on, “Distal Radius Fracture Update” to the Department of Orthopaedic Surgery, University of Cincinnati. January 5, 2001.

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Presentations, cont'd

AO ASIF Nursing Continuing Education, Orthopaedic Trauma: Team Approach to Fracture Management. Presentation on, "Internal Fixation of Forearm and Hand Fractures". Wright State University, Dayton, Ohio. April 26-27, 2002.

Presentation for the Fourteenth Annual Trauma and Critical Care Symposium on, "Does Fat Really Embolize and if so, so What?" and "Complex Orthopaedic Management of the Multiple Trauma Patient". Bethesda North Trauma Services at the Cincinnati Museum Center at Union Terminal. Cincinnati, Ohio, May 3, 2002.

Didactic lecture at the Hand Surgery Center, Cincinnati, Ohio on, "The Tattered Elbow". August 16, 2002.

Presentation at Jewish Kenwood on "Locked Plating". Saturday, May 3, 2003.

"Supracondylar Femur Fractures – Fixed Angle Plating," presented at Trauma 101 – Damage Control Orthopaedics, Cincinnati, OH, May 9, 2003.

"Flaps," presented at Trauma 101 – Damage Control Orthopaedics, Cincinnati, OH, May 9, 2003.

"Talus Fractures – ORIF," presented at Trauma 101 – Damage Control Orthopaedics, Cincinnati, OH, May 10, 2003.

AO ASIF Operating Room Personnel Course, The Westin Hotel, Cincinnati, Ohio February 20-21, 2004.

"Sliding Hip Screws – DHS," presented at Trauma 101 – Damage Control Orthopaedics, Northern Kentucky Convention Center, Covington, Ky, April 23, 2004.

"ORIF & Fixed Angle Plating," presented at Trauma 101 – Damage Control Orthopaedics, Northern Kentucky Convention Center, Covington, Ky, April 24, 2004.

"Proximal Humeral Nailing," presented at Trauma 101 – Damage Control Orthopaedics, Northern Kentucky Convention Center, Covington, Ky, April 24, 2004.

"A Prospective, Functional Evaluation of Hip Abductor Function after Femur Fracture and Antegrade Nailing": Archdeacon MT, Hewett T, Wyrick JD, Hampton S, Ludwig MB, Paterno M, Ford K. Poster presentation at the Orthopaedic Trauma Association Annual Meeting, Ft. Lauderdale, Florida, October 8-10, 2004.

"Specific Fractures-Diaphyseal/Humerus" and "Fixation of Radius/Ulna-Forearm" presented at AO ASIF Principles of Fracture Management Course, Little Rock, Ark, October 28-31, 2004.

Grand Rounds Presentation on Upper Extremity to the Department of Orthopaedic Surgery, University of Cincinnati. August 18, 2004.

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Presentations, cont'd

“LISS: Demonstration of Fixation of Distal Femur with LISS” presented at Synthes-Treatment Options for Difficult Fractures:A New Technology Symposium. November 20, 2004.Cincinnati, Ohio.

“Locking Compression Plates in the Distal Radius” presented at Synthes-Treatment Options for Difficult Fractures:A New Technology Symposium. November 20, 2004.Cincinnati, Ohio.

“ORIF & Locking Plates – Proximal Humerus” Fracture Care Orthopaedics, Northern Kentucky Convention Center, Covington, Ky, April 29, 2005.

“Elbow Dx” Fracture Care Orthopaedics, Northern Kentucky Convention Center, Covington, Ky, April 30, 2005.

“Effect of Injury on Bone and Soft Tissue,” presented at AO ASIF-Basic Principles & Techniques of Operative Fracture Management Course for residents, Philadelphia, PA, January 26, 2006

“Wound Closure-Immediate or Delayed?” presented at Trauma 101 – Fracture Care for the Community Orthopedists, Northern Kentucky Convention Center, Covington, Ky ,May 12, 2006.

“Orthopaedic Damage Control-Pelvis,” presented at Trauma 101 – Fracture Care for the Community Orthopedists, Northern Kentucky Convention Center, Covington, Ky ,May 12, 2006.

“Problem Distal Radius Fx’s & Bailouts,” presented at Trauma 101 – Fracture Care for the Community Orthopedists, Northern Kentucky Convention Center, Covington, Ky , May 13, 2006

“Distal Radius Fracture,” presented at the University of Cincinnati-Trauma Conference, MSB Building/Room 5501, May 17, 2006.

“Proximal Humerus Fractures,” presented at Wright State University, Department of Orthopaedic Surgery, Dayton, Ohio, June 17, 2006.

“The role of Bone Graft Substitutes in Clinical Practice,” Treatment Options for Difficult Fractures: Advanced Technology Symposium, Cincinnati, Ohio, September 16, 2006.

“Evolution, Biomechanics and Engineering Principles of Locking Compression Plates,” Treatment Options for Difficult Fractures: Advanced Technology Symposium, Cincinnati, Ohio, September 16, 2006.

“Locking Compression Plates in Distal Radius Fractures,” Treatment Options for Difficult Fractures: Advanced Technology Symposium, Cincinnati, Ohio, September 16, 2006.

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Hospital Appointments

Good Samaritan
Bethesda Hospitals
Children's Hospital
Drake Hospital
Jewish Hospitals
University of Cincinnati Medical Center
Veteran's Administration Medical Center

Organization Memberships

- AO ASIF Orthopaedic Faculty Member
- Academic Orthopaedic Society
- Academy of Medicine of Cincinnati
- American Academy of Orthopaedic Surgeons
- American Society for Surgery of the Hand
- Eastern Association for the Surgery of Trauma
- Musculoskeletal Infection Society
- Ohio State Medical Association
- Orthopaedic Trauma Association
- American Medical Association

Committees/Appointments

- Director of Trauma, Department of Orthopaedic Surgery Bethesda North Hospital
- Orthopaedic Service Line Committee, Health Alliance of Greater Cincinnati
- Trauma Q.I. Committee, University Hospital
- Reappointment Promotion and/or Tenure Review Committee, University of Cincinnati College of Medicine
- Committee on Trauma, American College of Surgeons-Advanced Trauma Life Support Instructor

Revised September, 2006